

179-020

STATE OF ILLINOIS  
DEPARTMENT OF  
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BOARD OF NATURAL  
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# ILLINOIS STATE GEOLOGICAL SURVEY

NATURAL RESOURCES BUILDING, URBANA, ILLINOIS 61801 TELEPHONE 217 344-1481

JOHN C. FRYE, CHIEF

June 18, 1974

Mr. Thomas P. Clark, Acting Manager  
Permit Section  
Illinois Environmental Protection Agency  
2200 Churchill Road  
Springfield, IL 62706

9-24N-5W

Dear Mr. Clark:

In re Tazewell County - Land Pollution Control  
Pekin/Municipal

This is in response to your letter of May 15, 1974, concerning a preliminary hydrologic evaluation of an existing solid waste disposal site located in the E½ SE¼ Section 9, T. 24 N., R. 5 W. The site was field inspected June 12.

The site in question is in a large abandoned gravel pit just east of the Chicago and Northwestern Railroad tracks. The pit is about 40 feet deep, dug to approximately the water table. The gravel which was mined is continuous from the surface to the bedrock, a depth of about 75 feet. This gravel is highly permeable and the source of several large, industrial water supplies.

The City of Pekin obtains water from the Illinois River, and city water is available to all users near the site. Leachate will be generated, and move north to the river. Almost all precipitation on the site will infiltrate the refuse and form a leachate, which will then enter the aquifer. However, there will be maximum dilution in the highly permeable aquifer.

Very truly yours,

Keros Cartwright  
Associate Geologist  
Section of Ground-Water Geology  
and Geophysical Exploration